

## ABSTRACT

A screen bowl type centrifugal separator which can not only eliminate the problem of the productivity being lowered resulting from the occurrence of clogging with the crystals in the screen part, but also minimize the amount of leakage of the object to be treated in the screen part. Inside of the hub (41) of the screw conveyor (40), a cleaning liquid receiving part (43) which receives the cleaning liquid for the cleaning nozzle (45) is provided, and further, in the cleaning liquid receiving part (43), a residual layer crystal cleaning liquid receiving part (46) which receives the cleaning liquid for cleaning the residual layer object to be treated in the screen part (30) is provided, being partitioned independently of the inside of the cleaning liquid receiving part (43). The cleaning liquid which has been supplied to the inside of the residual layer crystal cleaning liquid receiving part (46) is jet spouted directly toward the residual layer object to be treated from the outer circumferential edge of the flight (42) through the residual layer crystal cleaning liquid path provided along the direction of the helix of the flight (42), with no relation to said cleaning liquid receiving part (43).